Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
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(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 4/16/2010
LOGGED BY RJ
GSI JOB No. 09177

ROUTE FAP 339 (IL Route 62)
DESCRIPTION IL Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1
LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK
DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. **RW-23**
Station 516+25
Offset 9.5' Right
Ground Surface Elev. 878.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10.0" ASPHALT	877.2				
CLAY LOAM–brown & gray–stiff to very stiff (A–6) Fill			3		
			4 5	2.5P	17
			3		*109*
			2 3	1.6S● 12.7%	21
		–5			
			2		*101*
			2 3	1.0B	25
	870.0				
CLAY–brown & gray–very stiff to hard (A–6)			3		
			3 5	3.5P	19
		–10			
			3		*108*
			4 5	2.5B	20
			5		*113*
			7 7	5.1B	17
		–15			
			6		*109*
			8 8	4.9B	19
			5		*111*
			5 9	5.5B	19
		–20			
CLAY–very stiff to hard (A–6)	857.5				
			6		
			6 8	2.25P	18
			4		*110*
			6 8	1.8B	19
		–25			
			4		*114*
CLAY–gray–stiff to hard (A–6)			6 10	3.0B	18
			7		*111*
			10 17	6.0B	18
		–30			
			4		*114*
			6 6	2.0B	18
		–35			
			3		
			4 7	1.75P	20
	838.0	–40			

End Of Boring @ –40.0
Hollow Stem Augers To –10.0'
Rotary Drilling To Completion
10' Of 4.0" Casing Used
CME Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

USER NAME =	DESIGNED - ESH	REVISED -	---
FILE NAME =	CHECKED - ADB	REVISED -	---
PLOT SCALE =	DRAWN - RH	REVISED -	---
PLOT DATE =	CHECKED - ADB	REVISED -	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS-2
STRUCTURE NO. 016-W997
SHEET NO. S6 OF S6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	116 Y-1-R-1	COOK	122	81
		CONTRACT NO. 60135		
		ILLINOIS FED. AID PROJECT		